

Quentis vulgans Aiken Switt Carolin (lavel win; Alg 8 1873) Culting your (housed in writing) pole green, leaves deepen green stømedet sprendry-erat. 1 outs 4-6 miles by 2/2-3/4 end, oute or bout accolar ist was mule si busles it axils pale was short leave, about ogborn, sudanly ant, 3p-4/2 likes I by Hown 3 suche Samut, pier gellow overy 16 Line, ly flant, & C. Nait on G each augle with a sough segal so that there are sof the Miore on: toping of the management that and the products is products; More on log of the orange sound from those on oval All and grace from those oval All and grace from the grace f about 5 ieur sepels on many pertaleis 8 petets 12-14 l. wird pretere, moly ( ) peter the meethat emangements is essembly a most ight nerbraces and primary of these, named sint gale gallow or while she ship mete LIBER REPRESENTATION OF D. A. HIBITIAL The Secretary of the Navy offers two government vessels to sail from ADECTED THE KAYENER. Charleston. S.C. New York direct to Trieste for the free shipment of articles to the TER DENNINE, Elsq., MISSOURI BOTANICAL

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GARDEN

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## Vienna Universal Exposition. 1873.

CONTRIBUTIONS FROM THE UNITED STATES.

SIR:

The United States Commissioner to the Vienna Exposition of 1873, Gen. Thomas B. Van Buren, has requested the gentlemen whose names are annexed, to act as an Advisory Committee for GROUP IV. SUBSTANCES OF FOOD AS PRODUCTS OF INDUSTRY.

This group embraces, in the classification of the Imperial Commissioners:

a) Flour and other farinaceous products, malt and its products;

b) Sugar and its products;

c) Spirits and spirituous liquors, &c.;

d) Wines;

e) Ale, beer, porter, &c.;

f) Vinegars;

g) Preserves and extracts, (extracts of meat, portable soup, condensed milk, Erbswurst, preserved vegetables, preserved meat, &c.;

h) Tobacco, and similar manufactures;

i) Confectionery, ginger-bread, chocolate, coffee substitutes, &c.;

k) Processes and inventions for preparing all these articles:

1) Statistics of production.

The Austrian Commissioners earnestly invite illustrative models of processes which are labor and time saving, as well as carefully prepared products in the several branches of industry.

It cannot be doubted that ample return for the time and labor it may cost each worthy exhibitor, will be made, both in the recognition in the competitive exhibition, and in the increased demand for his productions.

Congress will doubtless make such appropriation as will greatly relieve the cost of transportation, storage and proper exhibition. The Secretary of the Navy offers two government vessels to sail from New York direct to Trieste for the free shipment of articles to the



"Opentia rufide" A Schott mist. 1871. in flower June 21 1871

Caspect of O. Rapresquii - red bristles, nearly spinless

Ceaves of (small) joint only 2/2 l. long rather pitulous, scholate, brown green

flown 3; whis hamtell-12 broad obsorbet or emergenete, slightly murrounte petels,

abold intermediate sepels - small herberous sepular

8-5 on overy (except margin) 5 erect or sonnered which it ignates.

petels yellow red at lase and midrib. 12 or 13 lines with.

Sud areminate

Opentia vulgaris A Schott mis. 1871. in planous Jun 21 1871

pule green spineless thick small yellowish briskles

Parent thick out, and, 3 l. los, event or event patulous

flower 274 inch siemet,

petuls abd 11 opportulate volume or emarginate summoraulate, abd 10 lines

abs 5 septs or overy

their ablusish on short courte

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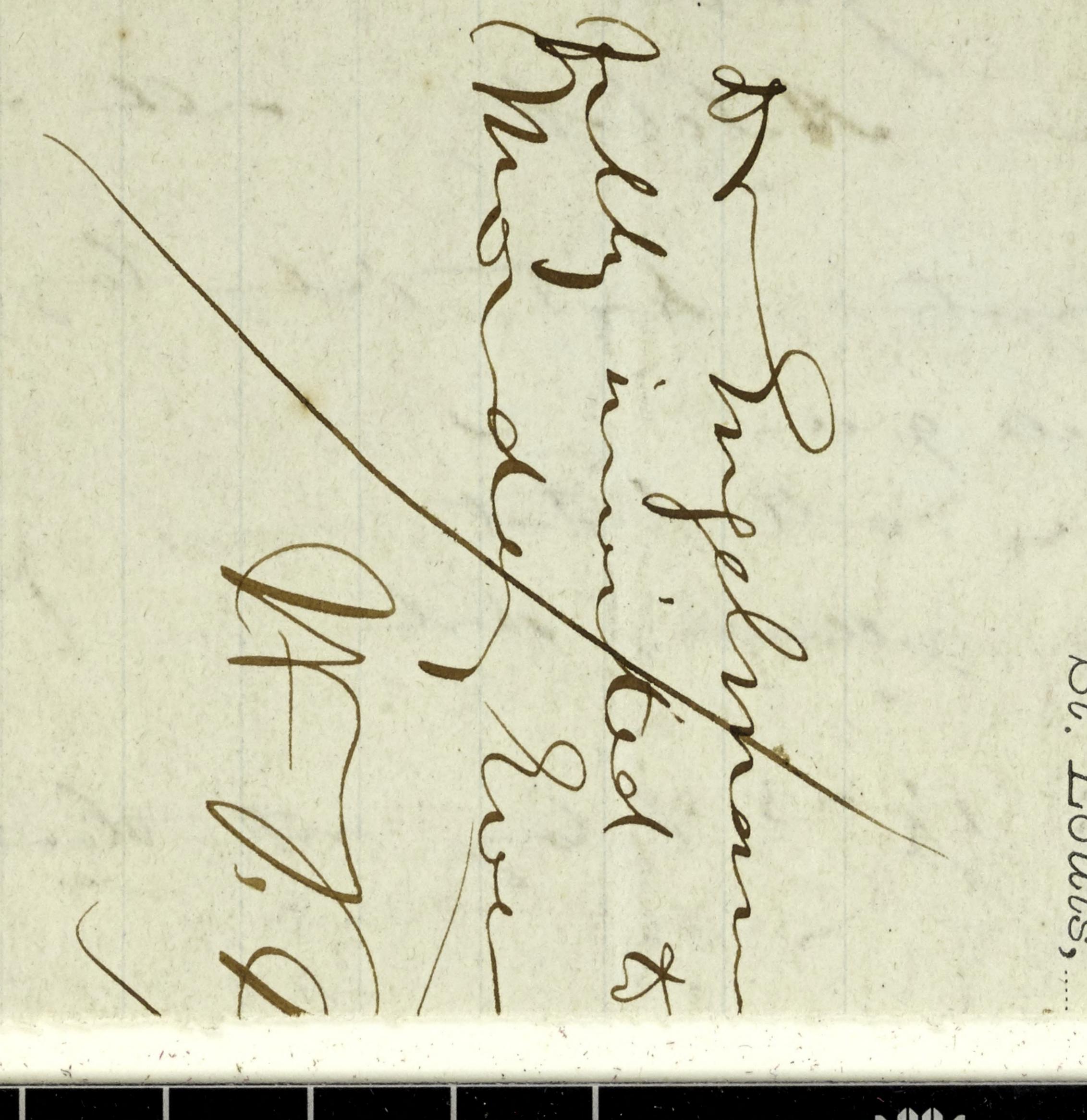
MANTE SINT





29 13/3. onthe Stone Asolat, all i my god finder house Joseph Sought, 4-5 lakes log, 2-2/2 wide, nttes pule green corcalae melly district Bustles zellen 44, short Comes 2/2 -3 la Cong mitte slamb (1) Jedh emi.





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MISSOURI BOTANICAL GARDEN

Quiti velgani Bluffen S. Cave. & Mellestany min. cat Sikenis Lig 1 x73 Booste jout 4. hets log 2 je evide deiten green leaves sleet 3-4 l. leg. 600 petates event. md et top, suk, ih green. arcolar sund staf bustles & Citte Congre



MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS muselanos . L'ins Les, in The meren Set him of hour from the This & Graconis & chaliery y policy. & auch plus. If. Brakenis 2 Ellist Bet 1, 401 munione valide bround pringentibles, y, aloghter, de. tien 31x angulan antiusada, jamosa, ja

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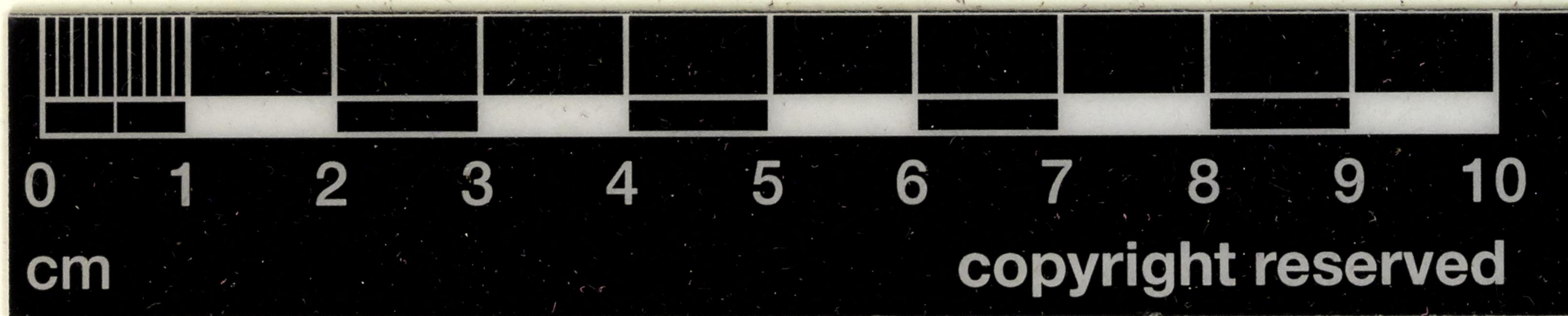
Lerne 1771 Munitin Reference : Mass. Gray, leaves 10-12 " u Navyrk, Legget, n 10 min New Jersey Mechan 6 7 " 5 (-6) ent gellant stize. Muntis cymophila, Kansas, Hall leaves 6-9 " quant, of Sein. Clocky Mil, Hell , 4-5 min

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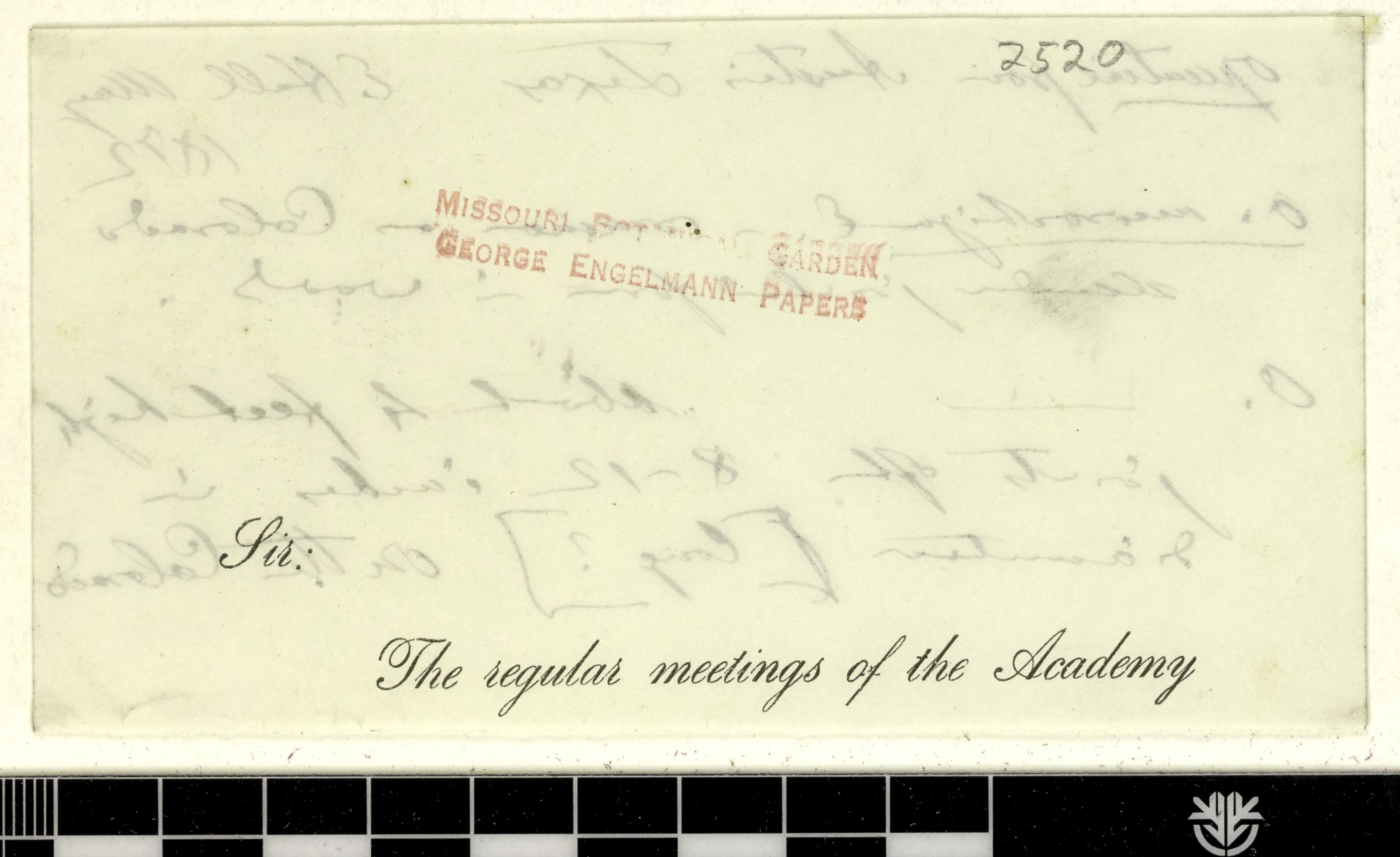


BOTANICAL GARDEN

opiciative for Austris Lexas Effell May O newsorkiga E orania - Colorado slavenje ko for - vors. 0. \_ about 4 feet high hamten [Cong?] on the Colones



N.







· (8)(7) . D'Melldhaup. Aug 1871 O. Vulgans Brandyon thank my product pear her a must sommern form g 0. Vietgans! How can that be? I did under mule Jon ling age that the war prostrate but my midlates organited from seeing Them growing in the shade goa lago grove of pine-saldings. Lines Then Eve Kammed many en Varions Sandy fields x it is. Erect , - Shines few it is true, but not short as you will remember from what I Sent. In re-Examined J2 heautibut Mate of Casting Sometan & Lean see mo dif - terences whateren between mine here or. gi 0. macuntura quett in the large not of the later of thought it was probably of Rapingini. I must try or get you a gut specimen of the fourts. The Howen sents o. Juna (?) I write you that are of the Hants summy at the Print "on The Okelee, were originally shought from Beauforth a LS filtrard but The intener cold of last winter has puils much ottothinger Them, - a few hinsers was springing white precuring a joint on the live the here. When of Sulliquent Size I shall send to you mitte The above. The spines are yellow a unequal - 3 loge the prequently, - Thus; So far 11 Spines Seem to be short set by my boying Menoring of oes 73e well togs serves me cust--really, the spines were long - a strong or 4 Ellen elso But Them Everything way by fine a strong in own Beautist in the days "perfect Peace" which has sufilored The van-- erable Town I for so ling a penint 12 mit me it was the time of flowing in the grass, a Splinson in the flower

· Virtgario Agare I ling ago saw vin fine Specimens of this plant (americana & con - chute) at the "Spanish Wells" planter on Hilling Hear, or of come in the New air, a growing mist leex emantly, but I south whether They can now be found. A few very small ones I came across Even her in an ver hunt lot but on the Oketee at Point flace They were they off a beautiful. one of These plants I remember bloomed Jones In age (I beheve I our not see it) a immetiatel ones. They can it him The alres her. 09 promice you of such good Justiene shed allened me again the I shall cutainty see it. A great no y with plants to share growing in Even drietur around The older & at the olslanes too of 15 on 20 feet - from seed thento your or, - ling primiers with brids. ? It is not un. - Whey that The interior coed of last winder. kimo Them, - I shaw masee in sing: your observations as to The posterior of fertilization of Agan Virgin; a Mayucas an tome most interesting, - had the latter been growing mean med in i garden I might have watcher them my euf, a penhalis seen something mostle nothing, but it mas impressible for me to eve Them regularly, - Suning on They were sense at a long notance sin only the way places. As to The agane "V-I observe That The lower buts are of course The first to bloom of are Even framing capeules when the upper Howers are just blooming. I Lee a regular grasation from below ap nands of Emaller & Smaller capeules until Im reach Clowers of heds. Mon the shedding of the pollen from above mithent Even The agency of the wind ea in rects med be sufficient for The impregnation. But you have referred to all this. As for the queens

IV. H. Syck. Jan 1857 Opunti; Engelmanni is probbly same as
or lanizem. His origine plant of the latter
has also the few flat yellow spines and the course yellow britter ; hebit entirely similar - la not flowered yet. \_\_ Op. orbitalets is nimilar but seems Stract, spines sleaderen, almost setareou, with numero smule deflexed ones. almost similar to the Sugelar xeroraspar brisles not like Sugelar Of tuberrulate similar to O Mafinesques but public totamelate, and not as Bristly. 





my original sperium. har Munter setispina your joshly glausous, older our more green, joints 3-4 lag 2-3" broad, areste of Bepart? brisker light geller brown; pensville of briskly lange i det pouts a vog promisert. All Atta arrola are sping; spring; spring; ones 3/4-1/2 "long."

ones deflexant, via that respect resombles the Xerorague to which it possibly belongs. I haten't spins somewhat flettens, all white vitt a dusky point. - spiles flexible bet not as their Gristles as I for them formuly - young plants. -Op felvisper veg siher lavigera here also with yellow spices, orly more thing!

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